AMENDMENTS TO THE CLAIMS

Docket No.: 13975-00002-US

- 1. (Currently Amended) A process for producing a packaging composed of a thermoformable film composed of thermoplastic polyolefins, via thermoforming, where, after thermoforming, the film has an improved heat distortion temperature and a high water-vapor barrier, which comprises using, in the thermoformable film, an amount in the range from 5 to 100% of from 20 to 90 % by weight, based on the total weight of polyolefins, of COC with a glass transition temperature Tg in the range from 65 to 200°C, measured to DIN EN ISO 11357-1 with the aid of a DSC at a heating rate of 10 K/min, and which comprises producing therefrom, via thermoforming at a temperature in the range from 70 to 170°C a packaging whose heat distortion temperature is in the range from 60 to 200°C.
- 2. (Previously Presented) The process as claimed in claim 1, wherein the COC has an average molar mass, expressed as Mw, in the range from 500 to 2 000 000 g/mol.
- 3. (Previously Presented) The process as claimed in claim 1, wherein the COC has a viscosity number to DIN 53 728 in the range from 5 to 5000 ml/g.
- (Previously Presented) The process as claimed in claim 1, wherein the thermoformable film is a monofilm or a multilayer film and has a total thickness in the range from 5 to 2000 μm.
- 5. (Currently Amended) The process as claimed in claim 1, wherein the COC contains, based on the total weight of the COC, from 0.1 to 100.0% by weight of polymerized units

which derive from at least one polycyclic olefin of the formulae I, II, II', III, IV, V or VI

$$R_3$$
 R_4 R_2 R_1 R_1 R_2 R_1 R_2 R_1

[[VI]]

where R1, R2, R3, R4, R5, R6, R7, and R8 are identical or different and are a hydrogen atom or a C1-C20-hydrocarbon radical, such as a linear or branched C1-C8-alkyl radical, C6-C18-aryl radical, C7-C20-alkylenearyl radical, or a cyclic or acyclic C2-C20-alkenyl

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radical, or form a saturated, unsaturated or aromatic ring, where identical radicals R1 to R8 in the various formulae I to VI have a different meaning, and where n indicates values from 0 to 5,

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and

contains, based on the total weight of the cycloolefin copolymer, from 0 to 99.9% by weight of polymerized units which derive from one or more acyclic olefins of the formula VII

where R9, R10, R11 and R12 are identical or different and are a hydrogen atom, a linear, branched, saturated or unsaturated C1-C20-hydrocarbon radical.

6. (Original) The process as claimed in claim 5, wherein the COC contains, based on its total weight, an amount of from 0 to 45% by weight of polymerized units which derive from one or more monoolefinic olefins of the formula VIII

where m is a number from 2 to 10.

- 7. (Previously Presented) The process as claimed in claim 1, wherein the COC has a glass transition temperature Tg in the range from 85 to 200°C and wherein the process comprises, where appropriate, a mixture of COCs with different Tg.
- 8. (Previously Presented) The process as claimed in claim 1, wherein the thermoformable film comprises, as other polyolefins, high- or low-density polyethylenes (HDPE, LDPE, LLDPE), ethylene-vinyl acetate copolymer, ionomer, polypropylene, olefin copolymers, plastomers, or a mixture of these.

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9. (Previously Presented) The process as claimed in claim 1, wherein the thermoformable film comprises up to 40% by weight of cut film arising during the production process in the form of regrind.

- 10. (Previously presented) A packaging, produced by a process as claimed in claim 1, which, after thermoforming of the thermoformable film, has a heat distortion temperature in the range from 60 to 200°C.
- 11. (Original) The packaging as claimed in claim 10, which is a blister pack.
- 12. (Previously Presented) The process as claimed in claim 1, wherein said thermoforming at a temperature in the range from 80 to 160°C, a packaging whose heat distortion temperature is in the range from 110 to 180°C.
- 13. (Previously Presented) The process as claimed in claim 1, wherein the COC has an average molar mass, expressed as Mw, in the range from 3000 to 500 000 g/mol.
- 14. (Previously Presented) The process as claimed in claim 2, wherein the COC has a viscosity number to DIN 53 728 in the range from 5 to 1000 ml/g.
- 15. (Previously Presented) The process as claimed in 14, wherein the thermoformable film is a monofilm or a multilayer film and has a total thickness in the range from 200 to 400 μm.
- 16. (Previously Presented) The process as claimed in claim 5, wherein the COC contains, based on the total weight of the COC, from 0.1 to 99.9% by weight of polymerized units which derive from at least one polycyclic olefin of the formulae I, II, II', III, IV, V or VI and contains, based on the total weight of the cycloolefin copolymer, from 0.1 to 99.9% by weight, of polymerized units which derive from one or more acyclic olefins of the formula VII

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where R9, R10, R11 and R12 are identical or different and are a hydrogen atom, a linear, branched, saturated or unsaturated C1-C8-alkyl radical or a C6-C18-aryl radical.

- 17. (Currently Amended) The process as claimed in claim 16, wherein the COC has a glass transition temperature Tg in the range from 120 to 190°C, and wherein the process optionally comprises, where appropriate, a mixture of COCs with different Tg.
- 18. (Previously Presented) A packaging, produced by a process as claimed in claim 17, which, after thermoforming of the thermoformable film, has a heat distortion temperature in the range from 110 to 180°C.

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